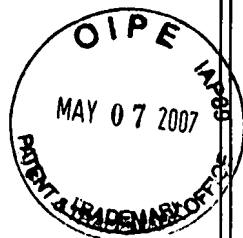# IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Eduard K. de Jong

Assignee: Sun Microsystems, Inc.

Title: PERMUTATION OF OPCODE VALUES FOR APPLICATION PROGRAM OBFUSCATION

Serial No.: 10/672,700   Filed: September 25, 2003

Examiner: April Ying Shan   Group Art Unit: 2135

Docket No.: SUN040023

Monterey, CA
May 3, 2007

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT UNDER §1.97(c) WITH FEE

Sir:

Pursuant to 37 C.F.R. §§ 1.56, 1.97 and 1.98, Applicant(s) wish to call the following documents (a copy of each non-US Patent document is enclosed) to the attention of the Examiner.

U.S. PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	NAME
1)	4,434,436	02/28/84	Kleykamp et al.
2)	5,913,064	06/15/99	Chen
3)	6,098,056	08/01/00	Rusnak et al.
4)	6,101,606	08/08/00	Diersch et al.
5)	6,175,925	01/16/01	Nardone et al.
6)	6,178,509	01/23/01	Nardone et al.
7)	6,205,550	03/20/01	Nardone et al.
8)	6,266,416	07/24/01	Sigbjørnsen et al.
9)	6,289,455	09/11/01	Kocher et al.

10)	6,308,256	10/23/01	Folmsbee
11)	6,334,189	12/25/01	Granger et al.
12)	6,374,402	04/16/02	Schmeidler et al.
13)	6,449,721	09/10/02	Pensak et al.
14)	6,480,959	11/12/02	Granger et al.
15)	6,594,761	07/15/03	Chow et al.
16)	6,615,350	09/02/03	Schell et al.
17)	6,640,305	10/28/03	Kocher et al.
18)	6,643,775	11/04/03	Granger et al.
19)	6,668,325	12/23/03	Collberg et al.
20)	6,779,114	08/17/04	Chow et al.
21)	6,862,683	03/01/05	Wille et al.
22)	6,966,002	11/15/05	Torrubia-Saez
23)	6,981,217	12/27/05	Knauft et al.
24)	7,017,188	03/21/06	Schmeidler et al.
25)	7,054,443	05/30/06	Jakubowski et al.
26)	7,065,652	06/20/06	Xu et al.
27)	7,080,039	07/18/06	Marsh
28)	7,089,594	08/08/06	Lal et al.
29)	7,124,445	10/17/06	Cronce et al.
30)	7,127,712	10/24/06	Noble et al.
31)	7,150,003	12/12/06	Naumovich et al.
32)	2002/0184618	12/05/02	Bala et al.
33)	2003/0093685	05/15/03	Tobin
34)	2003/0123664	07/03/03	Pedlow et al.
35)	2003/0172270	09/11/03	Newcombe et al.
36)	2003/0177391	09/18/03	Ofek et al.
37)	2003/0188187	10/02/03	Uchida
38)	2003/0191938	10/09/03	Woods et al.
39)	2003/0233542	12/18/03	Benaloh
40)	2004/0003278	01/01/04	Chen et al.
41)	2004/0039932	02/26/04	Elazar et al.
42)	2004/0103404	05/27/04	Naumovich et al.

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- 2 -

43)	2004/0151306	08/05/04	Kiddy
44)	2004/0260933	12/23/04	Lee
45)	2005/0002053	01/06/05	Meador et al.
46)	2005/0015454	01/20/05	Goodman et al.
47)	2005/0021995	01/27/05	Lal et al.
48)	2005/0044359	02/24/05	Eriksson et al.
49)	2005/0055564	03/10/05	Haselden et al.
50)	2005/0102264	05/12/05	Nason et al.
51)	2006/0026430	02/02/06	Luo
52)	2006/0048228	03/02/06	Takemori et al.
53)	2006/0218539	09/28/06	Stiemens et al.
54)	2006/0271921	11/30/06	Cronce et al.

FOREIGN DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY
1)	WO 00/75760	12/14/00	PCT
2)	WO 01/79972	10/25/01	PCT
3)	WO 02/079955	10/10/02	PCT
4)	WO 04/027678	04/01/04	PCT

OTHER DOCUMENTS

1)	Collberg et al., "Breaking Abstractions and Unstructuring Data Structures", IEEE 2005, pages 1-12 [Online]. Retrieved on September 13, 2005 from the Internet: URL:<http://ieeexplore.ieee.org/xpl/absprintf.jsp?arnumber=674154>.
2)	Collberg et al., "A Taxonomy of Obfuscating Transformations", 1997, pages 1-36.
3)	Mambo et al., "A Tentative Approach to Constructing Tamper-Resistant Software", ACM 1998, pages 23-33.

A PTO form 1449 listing these documents is enclosed.

Citation of the above documents shall not be construed as:

1. an admission that the documents are necessarily prior art with respect to the instant invention;

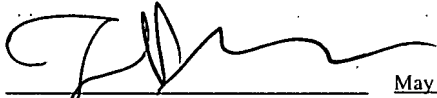2.   a representation that a search has been made, other than as described above; or

3.   an admission that the information cited herein is, or is considered to be, material to patentability as defined in § 1.56(b).

Enclosed herewith is a check in the amount of $180.00 payable to the Director of the United States Patent and Trademark Office, which is the amount for submission of an Information Disclosure Statement given in 37 C.F.R. § 1.17(p).

The Commissioner is hereby authorized to charge any additional fees, which may be required to consider this paper, or credit any overpayment to Deposit Account No. 50-0553.

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on May 3, 2007
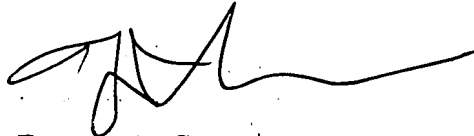
_____   May 3, 2007
Attorney for Applicant(s)   Date of Signature

Respectfully submitted,

Forrest. Gunnison
Attorney for Applicant(s)
Reg. No. 32,899
(831) 655-0880

Form PTO-1449		Atty Docket No.	Serial No.
		SUN040023	10/672,700

INFORMATION DISCLOSURE CITATION

IN AN APPLICATION

(Use several sheets if necessary)

Applicant(s)	
Eduard K. de Jong	
Filing Date	Group
September 25, 2003	2135

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	4,434,436	02/28/84	Kleykamp et al.	380	209	
	AB	5,913,064	06/15/99	Chen	717	108	
	AC	6,098,056	08/01/00	Rusnak et al.	705	75	
	AD	6,101,606	08/08/00	Diersch et al.	726	27	
	AE	6,175,925	01/16/01	Nardone et al.	726	22	
	AF	6,178,509	01/23/01	Nardone et al.	726	22	
	AG	6,205,550	03/20/01	Nardone et al.	726	22	
	AH	6,266,416	07/24/01	Sigbjørnsen et al.	380	255	
	AI	6,289,455	09/11/01	Kocher et al.	713	194	
	AJ	6,308,256	10/23/01	Folmsbee	712	209	
	AK	6,334,189	12/25/01	Granger et al.	726	26	-
	AL	6,374,402	04/16/02	Schmeidler et al.	717	167	
	AM	6,449,721	09/10/02	Pensak et al.	713	171	
	AN	6,480,959	11/12/02	Granger et al.	713	189	
	AO	6,594,761	07/15/03	Chow et al.	713	190	
	AP	6,615,350	09/02/03	Schell et al.	713	168	
	AQ	6,640,305	10/28/03	Kocher et al.	713	194	
	AR	6,643,775	11/04/03	Granger et al.	713	190	
	AS	6,668,325	12/23/03	Collberg et al.	713	194	
	AT	6,779,114	08/17/04	Chow et al.	713	189	

FOREIGN PATENT DOCUMENTS

							Translation	
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	YES	NO
	AU	WO 00/75760	12/14/00	PCT				

OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Pages, Etc.)*

	AV	Collberg et al., "Breaking Abstractions and Unstructuring Data Structures", IEEE 2005, pages 1-12 [Online]. Retrieved on September 13, 2005 from the Internet: URL:<http://ieeexplore.ieee.org/xpl/absprintf.jsp?arnumber=674154>.

Examiner	Date Considered

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).

Form PTO-1449		Atty Docket No. SUN040023		Serial No. 10/672,700			
INFORMATION DISCLOSURE CITATION **IN AN APPLICATION** *(Use several sheets if necessary)*		Applicant(s) Eduard K. de Jong					
		Filing Date September 25, 2003		Group 2135			

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	6,862,683	03/01/05	Wille et al.	713	151	
	AB	6,966,002	11/15/05	Torrubia-Saez	726	29	
	AC	6,981,217	12/27/05	Knauft et al.	715	531	
	AD	7,017,188	03/21/06	Schmeidler et al.	726	26	
	AE	7,054,443	05/30/06	Jakubowski et al.	380	28	
	AF	7,065,652	06/20/06	Xu et al.	713	190	
	AG	7,080,039	07/18/06	Marsh	705	51	
	AH	7,089,594	08/08/06	Lal et al.	726	31	
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	AK	7,150,003	12/12/06	Naumovich et al.	717	108	
	AL	2002/0184618	12/05/02	Bala et al.	717	148	
	AM	2003/0093685	05/15/03	Tobin	713	190	
	AN	2003/0123664	07/03/03	Pedlow et al.	380	218	
	AO	2003/0172270	09/11/03	Newcombe et al.	713	168	
	AP	2003/0177391	09/18/03	Ofek et al.	726	4	
	AQ	2003/0188187	10/02/03	Uchida	726	26	
	AR	2003/0191938	10/09/03	Woods et al.	713	165	
	AS	2003/0233542	12/18/03	Benaloh	713	156	
	AT	2004/0003278	01/01/04	Chen et al.	726	21	

FOREIGN PATENT DOCUMENTS

							Translation	
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	YES	NO
	AU	WO 01/79972	10/25/01	PCT				

OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Pages, Etc.)*

	AV	Collberg et al., "A Taxonomy of Obfuscating Transformations", 1997, pages 1-36.

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			Applicant(s) Eduard K. de Jong	
			Filing Date September 25, 2003	Group 2135

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	2004/0039932	02/26/04	Elazar et al.	726	26	
	AB	2004/0103404	05/27/04	Naumovich et al.	717	136	
	AC	2004/0151306	08/05/04	Kiddy	380	28	
	AD	2004/0260933	12/23/04	Lee	713	193	
	AE	2005/0002053	01/06/05	Meador et al.	358	1.14	
	AF	2005/0015454	01/20/05	Goodman et al.	709	207	
	AG	2005/0021995	01/27/05	Lal et al.	726	4	
	AH	2005/0044359	02/24/05	Eriksson et al.	713	165	
	AI	2005/0055564	03/10/05	Haselden et al.	726	26	
	AJ	2005/0102264	05/12/05	Nason et al.	707	1	
	AK	2006/0026430	02/02/06	Luo	713	176	
	AL	2006/0048228	03/02/06	Takemori et al.	726	22	
	AM	2006/0218539	09/28/06	Stiemens et al.	717	140	
	AN	2006/0271921	11/30/06	Cronce et al.	717	151	
	AO						
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	AT						

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	AU	WO 02/079955	10/10/02	PCT				
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